

# ABSTRACT

The exhaust gas treatment agent of the present invention is an exhaust gas treatment agent provided with a particulate and porous structure, and composed of calcium hydroxide occupying at least a portion of the surface thereof, and calcium oxide occupying the remainder. The specific surface area is preferably  $1 \text{ m}^2/\text{g}$  or more, and the void fraction is preferably 10 to 50% by volume. This calcium oxide is obtained by baking particulate calcium carbonate, and exhaust gas discharged from a semiconductor production device is removed of harmful gas components by allowing the exhaust gas to contact and react with this exhaust gas treatment agent while in the gaseous state.